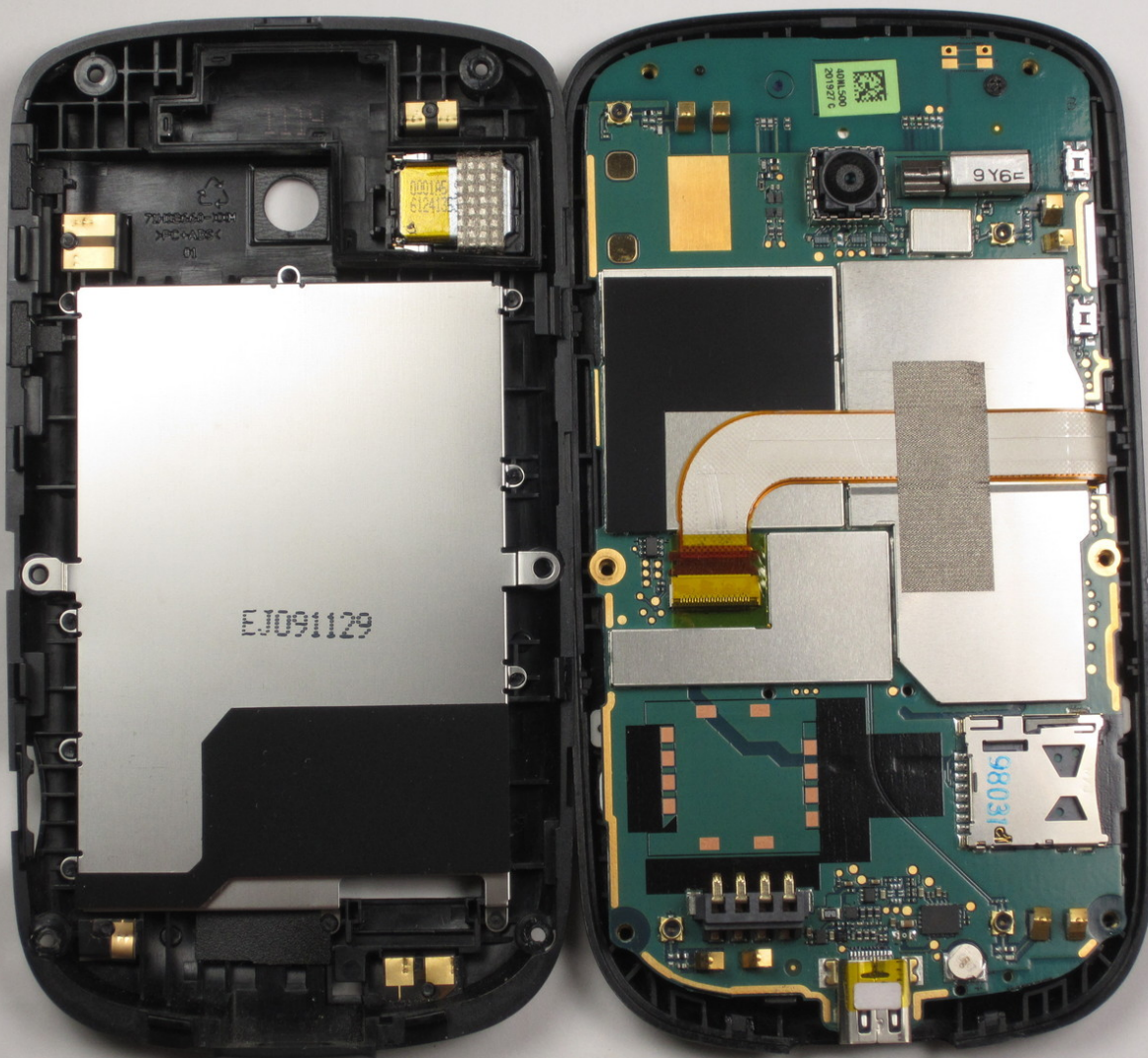




HTC SMT 6175 Motherboard Replacement

Removing the phones motherboard.

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INTRODUCTION

By taking off the cover, and unscrewing the back of the phone we will reach the motherboard to replace.

The motherboard controls the software of the phone and is an essential piece to any logic process.



TOOLS:

- [64 Bit Driver Kit](#) (1)
 - [Spudger](#) (1)
 - [Tweezers](#) (1)
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Step 1 — Back Case



- First, flip the phone over so that the back is facing you.

Step 2



- Next, using both thumbs, carefully push the back part up and remove it from the main section of the phone.
- Set this piece aside until reassembling the phone.

Step 3 — Battery



- Insert thumb and pointer finger into the notch above the battery. Pull the battery away from the rest of the phone and set aside.

Step 4 — Interior Back Case




- To remove the back casing inside the phone, unscrew the 6 screws, using a small pentagonal screwdriver head, that are around the perimeter of the phone.

Step 5




- Carefully pull off black casing.

 **Warning:** This can be difficult, but just start pulling the back out from the front shell. As it starts to lift up, continue moving around the phone until the whole back becomes free.

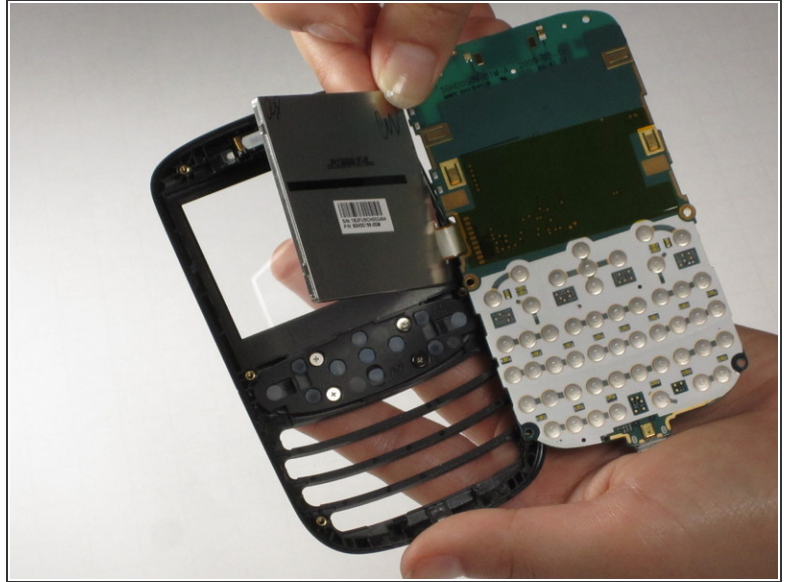
Step 6 — Taking out the Motherboard



- Next unscrew the top screw using a small philips screwdriver. You are now able to pull the motherboard back.

 **Warning:** Be CAREFUL because the LCD screen is still attached to the front side of the motherboard by a flexible ribbon cable and to the front case by an adhesive.

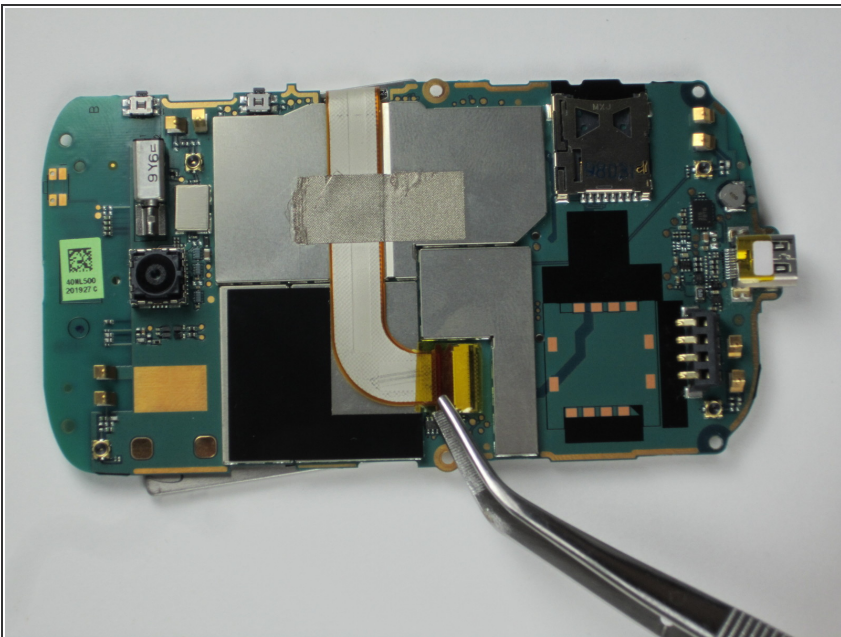
Step 7 — Taking out the Display Screen



- Using a spudger, remove the display screen from its cell within the front case by inserting the spudger next to the LCD on the opposite side of the side where the motherboard is attached.

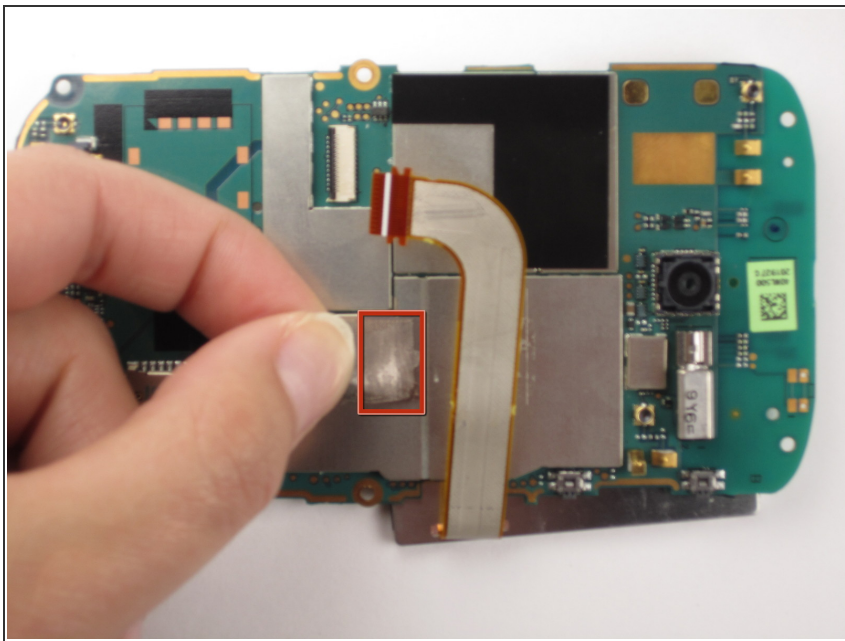
⚠ CAUTION: The LCD is attached with a sticky adhesive so it might be difficult to get off.

Step 8



- Place motherboard down on top of LCD. Using tweezers, remove the yellow piece of tape covering the end of the flat ribbon cable.

Step 9



- Peel off the silver tape covering the flat ribbon cable. The motherboard is now free from the rest of the phone.
- ⓘ The sticky gray tape might have to ripped it in order to be removed, due to its extremely sticky properties.

To reassemble your device, follow these instructions in reverse order.

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